

FIRE INVESTIGATOR ONE



PRACTICAL SKILL EXAMINATION

BOARD OF FIREFIGHTING PERSONNEL
STANDARDS AND EDUCATION

Fire Investigator One

The following elements must be contained in each report for successful completion of this skill. Reports will be rejected should they not meet these requirements.

Pass	Fail
<p>1. The student can identify the main idea of a passage.</p> <p>2. The student can identify the supporting details of a passage.</p> <p>3. The student can identify the author's purpose for writing a passage.</p> <p>4. The student can identify the author's tone in a passage.</p> <p>5. The student can identify the author's point of view in a passage.</p> <p>6. The student can identify the author's bias in a passage.</p> <p>7. The student can identify the author's audience in a passage.</p> <p>8. The student can identify the author's style in a passage.</p> <p>9. The student can identify the author's structure in a passage.</p> <p>10. The student can identify the author's language in a passage.</p>	<p>1. The student cannot identify the main idea of a passage.</p> <p>2. The student cannot identify the supporting details of a passage.</p> <p>3. The student cannot identify the author's purpose for writing a passage.</p> <p>4. The student cannot identify the author's tone in a passage.</p> <p>5. The student cannot identify the author's point of view in a passage.</p> <p>6. The student cannot identify the author's bias in a passage.</p> <p>7. The student cannot identify the author's audience in a passage.</p> <p>8. The student cannot identify the author's style in a passage.</p> <p>9. The student cannot identify the author's structure in a passage.</p> <p>10. The student cannot identify the author's language in a passage.</p>

[illegible]

A detailed description of the fire scene including evidence of fire travel, origin determination, cause indicators, and fire cause determination.

- General floor plan
- Location of fire damage
- Fire travel
- Location of fire cause indicators
- Location of any special hazards
- Point/area of origin

The following information:

- Date of fire and investigation
- Location of fire
- Name and address of owner(s)
- Name and address of occupant(s)
- Name of responding departments
- Name of investigator

Fire Investigator One

4-2 Scene Examination. Duties shall include inspecting and evaluating the scene so as to determine the area or point of origin, source of ignition, material(s) ignited, and as to activity that brought ignition source and materials together and assessing the subsequent progression, extinguishment, and containment of the fire.

4.2.1 Secure the fire ground, given marking devices, sufficient personnel, and special tools and equipment, so that unauthorized persons can recognize the perimeters of the investigative scene and are kept from restricted areas, and all evidence or potential evidence is from damage or destruction.

4-2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved; the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

4-2.4 Interpret burn patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

4-2.5 Correlate burn patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.

4-2.6 Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined, and evidence is preserved without investigator-inflicted damage or contamination.

4-3 Documenting the Scene. Duties shall include diagramming the scene, photographing, and taking field notes to be used to compile a final report.

4-3.1 Diagram the scene, given standard tools and equipment, so that the scene is accurately represented and evidence, pertinent contents, significant patterns, and origin areas or points are identified.

4-7 Presentations. Duties shall include the ability to present findings to those individuals not involved in the actual investigation.

4-7.2 Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience.

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05

Fire Investigator One

Name: _____

Date: _____

All of the following elements must be successfully completed to pass this skill sequence.

If the candidate:

Inspects/evaluates the scene to determine the area of origin, source of ignition, materials ignited, and the act that brought the ignition source and materials together. (4-2)

Demonstrates/describes methods to secure the fire ground to keep unauthorized persons from restricted areas and evidence is protected. (4-2.1)

Conducts an interior survey of the scene so areas of potential evidentiary value are identified and preserved. (4-2.3)

Interprets burn patterns so that each individual pattern is evaluated. (4-2.4)

Correlates burn patterns so fire development is determined, false origin area patterns are recognized, and all areas of origin are correctly identified. (4-2.5)

Examines fire debris so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined and evidence is preserved. (4-2.6)

Prepares a diagram so the scene is accurately represented and evidence, significant patterns and origin areas are identified. (4-3.1)

Expresses investigative findings verbally so that the information is accurate. (4-7.2)

Pass Fail

Pass

☐

Fail

☐

Evaluator: _____ Date: _____

Fire Investigator One

4-2 Scene Examination. Duties shall include inspecting and evaluating the scene so as to determine the area or point of origin, source of ignition, material(s) ignited, and as to activity that brought ignition source and materials together and assessing the subsequent progression, extinguishment, and containment of the fire.

4-2.2 Conduct an exterior survey, given standard equipment and tools; so that evidence is reserved, fire damage is interpreted, hazards are identified to avoid injuries, accessibility to the property is determined, and all potential means of ingress and egress are discovered.

4-2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved; the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

4-2.4 Interpret burn patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

4-2.5 Correlate burn patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.

4-2.6 Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined, and evidence is preserved without investigator-inflicted damage or contamination.

4-3 Documenting the Scene. Duties shall include diagramming the scene, photographing, and taking field notes to be used to compile a final report.

4-3.2* Photographically document the scene, given standard tools and equipment, so that the scene is accurately depicted and the photographs appropriately support scene findings.

4-7 Presentations. Duties shall include the ability to present findings to those individuals not involved in the actual investigation.

4-7.2 Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience.

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05

Fire Investigator One

Name: _____

Date: _____

All of the following elements must be successfully completed to pass this skill sequence.

If the candidate:

Inspects/evaluates the scene to determine the area of origin, source of ignition, materials ignited, and the act that brought the ignition source and materials together. (4-2)

Conducts an exterior survey of the scene so that evidence is preserved, hazards are identified, and preserved. (4-2.2)

Conducts an interior survey of the scene so areas of potential evidentiary value are identified and preserved. (4-2.3)

Interprets burn patterns so that each individual pattern is evaluated. (4-2.4)

Correlates burn patterns so fire development is determined, false origin area patterns are recognized, and all areas of origin are correctly identified. (4-2.5)

Examines fire debris so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined and evidence is preserved. (4-2.6)

Photographs the scene with equipment provided so the scene is accurately depicted and the photographs support scene findings and a photo log is accurately prepared. (4-3.2)

Expresses investigative findings verbally so that the information is accurate. (4-7.2)

Pass Fail

Pass

☐

Fail

☐

Evaluator: _____ Date: _____

Fire Investigator One

4-2 Scene Examination. Duties shall include inspecting and evaluating the scene so as to determine the area or point of origin, source of ignition, material(s) ignited, and as to activity that brought ignition source and materials together and assessing the subsequent progression, extinguishment, and containment of the fire.

4-2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved; the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

4-2.4 Interpret burn patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

4-2.5 Correlate burn patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.

4-2.6 Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined, and evidence is preserved without investigator-inflicted damage or contamination.

4-3 Documenting the Scene. Duties shall include diagramming the scene, photographing, and taking field notes to be used to compile a final report.

4-3.3 Construct investigative notes, give a fire scene, available documents (*e.g., prefire plans and inspection reports*), and interview information, so that the notes are accurate, provide further documentation of the scene, and represent complete documentation of the scene findings.

4-7 Presentations. Duties shall include the ability to present findings to those individuals not involved in the actual investigation.

4-7.2 Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience.

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05

Fire Investigator One

Name: _____

Date: _____

All of the following elements must be successfully completed to pass this skill sequence.

If the candidate:

Pass **Fail**

Inspects/evaluates the scene to determine the area of origin, source of ignition, materials ignited, and the act that brought the ignition source and materials together. (4-2)

Conducts an interior survey of the scene so areas of potential evidentiary value are identified and preserved. (4-2.3)

Interprets burn patterns so that each individual pattern is evaluated. (4-2.4)

Correlates burn patterns so fire development is determined, false origin area patterns are recognized, and all areas of origin are correctly identified. (4-2.5)

Examines fire debris so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined and evidence is preserved. (4-2.6)

Constructs investigative notes with provided materials, so that notes are accurate, provide further documentation of the scene, and represent complete documentation of scene findings. (4-3.3)

Expresses investigative findings verbally so that the information is accurate. (4-7.2)

Pass

☐

Fail

☐

Evaluator: _____ Date: _____

Fire Investigator One

4-2 Scene Examination. Duties shall include inspecting and evaluating the scene so as to determine the area or point of origin, source of ignition, material(s) ignited, and as to activity that brought ignition source and materials together and assessing the subsequent progression, extinguishment, and containment of the fire.

4-2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved; the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

4-2.4 Interpret burn patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

4-2.5 Correlate burn patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.

4-2.6 Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined, and evidence is preserved without investigator-inflicted damage or contamination.

4-6 Post-incident Investigation. Duties shall include the investigation of all factors beyond the fire scene at the time of the origin and cause determination.

4-6.1 Gather reports and records, given no special tools, equipment, or materials, so that all gathered documents are appropriate to the investigation, complete, and authentic, the chain of custody is maintained, and the material is acceptable to the courts.

4-7 Presentations. Duties shall include the ability to present findings to those individuals not involved in the actual investigation.

4-7.2 Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience.

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05

Fire Investigator One

Name: _____

Date: _____

All of the following elements must be successfully completed to pass this skill sequence.

If the candidate:

Inspects/evaluates the scene to determine the area of origin, source of ignition, materials ignited, and the act that brought the ignition source and materials together. (4-2)

Conducts an interior survey of the scene so areas of potential evidentiary value are identified and preserved. (4-2.3)

Interprets burn patterns so that each individual pattern is evaluated. (4-2.4)

Correlates burn patterns so fire development is determined, false origin area patterns are recognized, and all areas of origin are correctly identified. (4-2.5)

Examines fire debris so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined and evidence is preserved. (4-2.6)

Gathers reports and records so that all gathered documents are appropriate to the investigation, the chain of custody is maintained, and the material is acceptable to the courts. (4-6.1)

Expresses investigative findings verbally so that the information is accurate. (4-7.2)

Pass	Fail

Pass ☐

Fail ☐

Evaluator: _____ Date: _____

Fire Investigator One

4-2 Scene Examination. Duties shall include inspecting and evaluating the scene so as to determine the area or point of origin, source of ignition, material(s) ignited, and as to activity that brought ignition source and materials together and assessing the subsequent progression, extinguishment, and containment of the fire.

4-2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved; the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

4-2.4 Interpret burn patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

4-2.5 Correlate burn patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.

4-2.6 Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined, and evidence is preserved without investigator-inflicted damage or contamination.

4-6 Post- Incident Investigation. Duties shall include the investigation of all factors beyond the fire scene at the time of the origin and cause determination.

4-6.2 Evaluate the investigative file, given all available file information, so that areas for further investigation are identified, the relationship between gathered documents and information is interpreted and corroborative evidence and information discrepancies are discovered.

4-7 Presentations. Duties shall include the ability to present findings to those individuals not involved in the actual investigation.

4-7.2 Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is completed within the allotted time, and the presentation includes only need-to-know information for the intended audience.

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05

Fire Investigator One

Name: _____

Date: _____

All of the following elements must be successfully completed to pass this skill sequence.

If the candidate:

Inspects/evaluates the scene to determine the area of origin, source of ignition, materials ignited, and the act that brought the ignition source and materials together. (4-2)

Conducts an interior survey of the scene so areas of potential evidentiary value are identified and preserved. (4-2.3)

Interprets burn patterns so that each individual pattern is evaluated. (4-2.4)

Correlates burn patterns so fire development is determined, false origin area patterns are recognized, and all areas of origin are correctly identified. (4-2.5)

Examines fire debris so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined and evidence is preserved. (4-2.6)

Evaluates the investigative file so that areas of further investigation are identified and information discrepancies are discovered. (4-6.2)

Expresses investigative findings verbally so that the information is accurate. (4-7.2)

Pass Fail

Pass ☐

Fail ☐

Evaluator: _____ Date: _____

Fire Investigator One

4-2 Scene Examination. Duties shall include inspecting and evaluating the scene so as to determine the area or point of origin, source of ignition, material(s) ignited, and as to activity that brought ignition source and materials together and assessing the subsequent progression, extinguishment, and containment of the fire.

4-2.3 Conduct an interior survey, given standard equipment and tools, so that areas of potential evidentiary value requiring further examination are identified and preserved; the evidentiary value of contents is determined, and hazards are identified in order to avoid injuries.

4-2.4 Interpret burn patterns, given standard equipment and tools and some structural or content remains, so that each individual pattern is evaluated with respect to the burning characteristics of the material involved.

4-2.5 Correlate burn patterns, given standard equipment and tools and some structural or content remains, so that fire development is determined, methods and effects of suppression are evaluated, false origin area patterns are recognized, and all areas of origin are correctly identified.

4-2.6 Examine and remove fire debris, given standard equipment and tools, so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined, and evidence is preserved without investigator-inflicted damage or contamination.

4-6 Post-Incident Investigation. Duties shall include the investigation of all factors beyond the fire scene at the time of the origin and cause determination.

4-6.3 Coordinate expert resources, given the investigative file, reports, and documents, so that the expert's competencies are matched to the specific investigation needs, financial expenditures are justified, and utilization clearly furthers the investigation toward the goals of causation determination or affixing responsibility.

4-6.4 Establish evidence as to motive and/or opportunity, given an incendiary fire, so that the evidence is the result of a prudent and complete investigation, is supported by documentation, and meets the evidentiary requirements of the jurisdiction.

4-6.5 Formulated an opinion of the person(s) and/or product(s) responsible for the fire, given all investigative findings, so that the opinion regarding responsibility for a fire is supported by all records, reports, documents, and evidence.

4-7 Presentations. Duties shall include the ability to present findings to those individuals not involved in the actual investigation.

4-7.2 Express investigative findings verbally, given investigative findings, notes, a time allotment, and a specific audience, so that the information is accurate, the presentation is

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05
Fire Investigator One

completed within the allotted time and the presentation include only need-to-know information for the intended audience.

Indiana Board of Firefighting Personnel Standards and Education
NFPA 1033 2003 EDITION
Revision Date 06/17/05

Fire Investigator One

Name: _____

Date: _____

All of the following elements must be successfully completed to pass this skill sequence.

If the candidate:

Inspects/evaluates the scene to determine the area of origin, source of ignition, materials ignited, and the act that brought the ignition source and materials together. (4-2)

Conducts an interior survey of the scene so areas of potential evidentiary value are identified and preserved. (4-2.3)

Interprets burn patterns so that each individual pattern is evaluated. (4-2.4)

Correlates burn patterns so fire development is determined, false origin area patterns are recognized, and all areas of origin are correctly identified. (4-2.5)

Examines fire debris so that all debris is checked for fire cause evidence, the ignition source(s) is identified, the fire cause is determined and evidence is preserved. (4-2.6)

Coordinates expert resources so that the expert's competencies are matched to the specific investigation needs. (4-6.3)

Establishes evidence of motive and/or opportunity so that the evidence is the result of a prudent and complete investigation. (4-6.4)

Formulates an opinion of the person(s) and/or product(s) responsible for the fire so the opinion is supported by all records, reports, documents and evidence. (4-6.5)

Expresses investigative findings verbally so that the information is accurate. (4-7.2)

Pass Fail

Pass ☐

Fail ☐

Evaluator: _____ Date: _____